

ABSTRACT:

A cable swivel is provided for maintaining optical fiber bend limits at entry portals of a optic fiber shelf for the shelf's entire range of motion, from being fully closed to being fully open. Bend limits are maintained as optical fiber is directed on paths through a shelf entry portal between the shelf interior and wire brackets on the shelf exterior. Fibers are retained, organized and strain relieved by the cable swivel such that directed fiber is maintain at a minimum bend radius on such fiber paths. The curved surface of the cable swivel allows the shelf to be accessed without excessive bending of so routed optical fibers. In this manner, optical signal degradation and/or total loss is avoided by limiting the bending of routed optical fiber to radii in excess of a predetermined minimum bend radius.